

**CITY OF DANVILLE
PROJECT DESCRIPTION
FY 2011 FIVE-YEAR CIP**

DEPARTMENT/DIVISION: Utilities/Electric Transmissions	PROJECT NAME: Brantley-Airside Transmission Line (PL # TBA)
PROJECT SCOPE: This project includes rebuilding the existing transmission line between the Brantly Substation to the Airside Substation to accommodate the additional load growth and reinforce the transmission system. The project will be constructed in two phases. The first phase is Brantly to Public Works and the second phase will be from Public Works to Airside Substation.	
CURRENT SITUATION: The present transmission line between the Airside and Brantly substations has reached its maximum capacity and has clearance issues when referenced to the current National Electric Safety Code (NESC). Therefore, we are in violation of the NESC, in addition to being unable to reliably serve the load in the eastern section of the service territory. The Brantly to Public Works section is to be constructed as a Phase I because it is required to allow upgrade of the transmission from Brantly/Bridge Street/Riverside to accommodate the White Mill Project. Completion of the transmission upgrade from Public Works to Airside is necessary to fully utilize our 3rd Delivery of 138kv & thereby strengthening the 69kv Transmission System and provide greater reliability.	
HOW WILL THE COMPLETED PROJECT AFFECT THE CURRENT LEVEL OF SERVICE?	
IS THE PROJECT MANDATED BY FEDERAL OR STATE REQUIREMENTS? IF SO, PLEASE PROVIDE DETAILS OF THE MANDATE: No	
IS THE PROJECT THE RESULT OF A CITY INITIATED STUDY OR PLAN? IF SO, PLEASE PROVIDE DETAILS OF THE STUDY OR PLAN: Shaw EDS Shystem Plan and Load Flow Study conducted February 2007.	
OTHER COMMENTS:	

Source of Funding	Proj. to Date	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total
Current Revenues - Reprogrammed Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bonds-General Obligation	2,200,000	-	2,600,000	-	-	-	4,800,000
Other	-	-	-	-	-	-	-
Total	\$ 2,200,000	\$ -	\$ 2,600,000	\$ -	\$ -	\$ -	\$ 4,800,000

Project description by fiscal year:

Fiscal Year	Description
FY 2011	N/A
FY 2012	Material acquisition and construction of section from public Works to Airside Substation
FY 2013	N/A
FY 2014	N/A
FY 2015	N/A

**CITY OF DANVILLE
PROJECT DESCRIPTION
FY 2011 FIVE-YEAR CIP**

DEPARTMENT/DIVISION: Utilities/Electric Transmissions	PROJECT NAME: Westover to Piney Forest Transmission Line Rebuild (PL # TBA)
PROJECT SCOPE: Rebuild 2.5 miles of 69kV transmission line between Piney Forest Substation and Westover Substation. It will be built using Corten steel pole line design to blend in with rural area, which will also provide maintenance free operation.	
CURRENT SITUATION: According to the Strategic Load Flow Study conducted in 2001, this transmission line is 96% loaded during peak system load. With current load growth in the northeastern section of the DP&L service territory and the addition of the Tunstall Substation, this transmission line reaches maximum capacity during the system peak.	
HOW WILL THE COMPLETED PROJECT AFFECT THE CURRENT LEVEL OF SERVICE? The transmission line rebuild would mitigate the possibility of long term failure and outages, in addition to furnishing additional capacity for community development in the area.	
IS THE PROJECT MANDATED BY FEDERAL OR STATE REQUIREMENTS? IF SO, PLEASE PROVIDE DETAILS OF THE MANDATE: No	
IS THE PROJECT THE RESULT OF A CITY INITIATED STUDY OR PLAN? IF SO, PLEASE PROVIDE DETAILS OF THE STUDY OR PLAN:	
OTHER COMMENTS:	

Source of Funding	Proj. to Date	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total
Current Revenues - Reprogrammed Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bonds-General Obligation	-	1,200,000	-	-	-	-	1,200,000
Other	-	-	-	-	-	-	-
Total	\$ -	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,200,000

Project description by fiscal year:

Fiscal Year	Description
FY 2011	Rebuild transmission Line
FY 2012	N/A
FY 2013	N/A
FY 2014	N/A
FY 2015	N/A